(19) World Intellectual Property Organization

International Bureau



I CONTROL DE CO

(43) International Publication Date 6 October 2005 (06.10.2005)

PCT

(10) International Publication Number WO 2005/092247 A1

(51) International Patent Classification7:

A61F 2/44

(21) International Application Number:

PCT/GB2005/001161

- (22) International Filing Date: 24 March 2005 (24.03.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

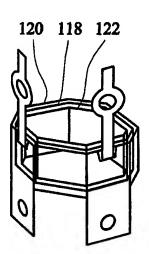
0406832.6 26 March 2004 (26.03.2004) GB 0407718.6 5 April 2004 (05.04.2004) GB 0502287.6 4 February 2005 (04.02.2005) GB

- (71) Applicant (for all designated States except US): PEARSALLS LIMITED [GB/GB]; Tancred Street, Taunton, Somerset TA1 1RY (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MCLEOD, Alan, Rory, Mor [GB/GB]; Pearsalls Limited, Tancred Street, Taunton, Somerset TA1 1RY (GB). REAH, Christopher [GB/GB]; Pearsalls Limited, Tancred Street, Taunton, Somerset TA1 1RY (GB).

- (74) Agent: PAWLYN, Anthony, Nell; Urquhart-Dykes & Lord LLP, Tower North Central, Merrion Way, Leeds LS2 8PA (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: PROSTHETIC SPINAL DISC



(57) Abstract: Disc prostheses, particularly for use in the lumbar region of the spine are provided. The disc prosthesis includes a core of elastomeric material provided within an inner component of fabric. The inner component is provided within an outer component of fabric. By providing a smooth inner contact surface between the inner component and the core, movement between the inner and outer components is facilitated in preference to movement between the inner component and core. Core abrasion is thus avoided. The use of an inner component and an outer component also means that the characteristics of each can be optimised to meet different aims.

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.